Unit Cost Management

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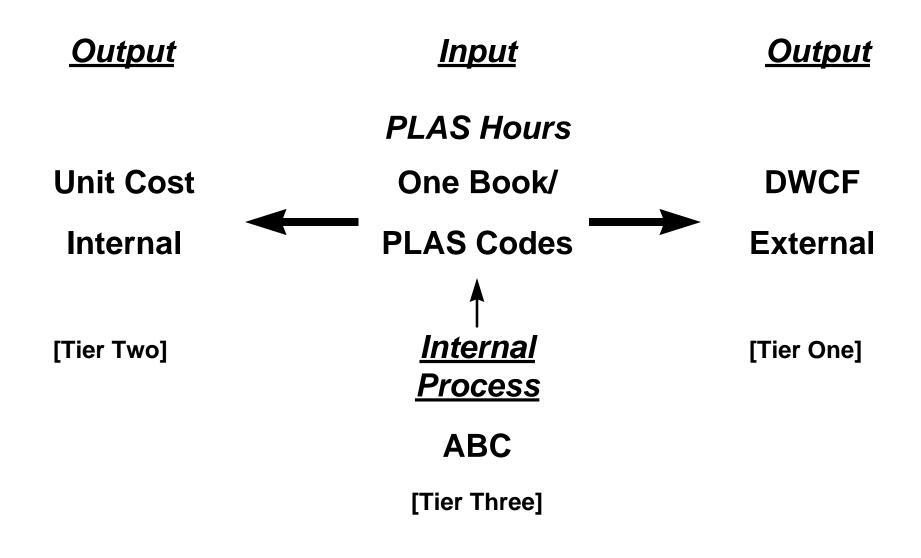
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- o Kate Drost, DLA-GC
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Big Picture Schedule

- o FY 97... Develop UCM system oo Review all functions for Value Added
- o FY 98... Test UCM system
 - oo Ensure systems and procedures support
 - oo Evaluate UCM areas for Alternative Funding applicability
 - oo Develop long range implementation plan
- o FY 99... Full implementation of UCM within DCMC oo Testing of Alternative Funding for select UCM pools

Unit Cost/DWCF Hourly Data Flow



Defense Working Capital Fund (DWCF) *Formerly*Defense Business Operations Fund (DBOF)

DWCF is a DoD revolving fund that provides a financial mechanism that allows DoD suppliers to "earn" budget dollars by selling services to their DoD customers.

DWCF Intentions:

- o Foster business-like approach
- o Identify full costs, measure cost performance, and foster efficiency & productivity improvements
- o Provide information for enhanced decision making
- o More closely relate support infrastructure with force structure

Direct Customer Reimbursement

- o Similar to NASA, FEDCAS, and FMS work
- o Primary fund source still appropriated
- o Secondary fund source based on MIPRs or other transfer mechanisms
- o Some problems in recouping total costs... more likely to recoup just direct labor costs and local indirect

Unit Cost Defined

Unit Cost is the total of costs relating to outputs produced, divided by the number of outputs produced

Example:

Unit Cost Management

- o Internal management approach to controlling cost
- o Identifies customer focused outputs and collects costs associated with those outputs
- o Computes a total cost per unit of output produced
- Uses cost per unit as a benchmark for measuring future cost performance
- o Allows internal management to see impacts of cost cutting or performance improving initiatives on the total costs incurred/demanded by customers
- o Most often used to seed DWCF rates

Activity Based Costing

- Internal management system that usually sits within a Unit Cost Management framework
- o Allows subprocesses to be fully costed out
- o Analyzes cost drivers of key internal processes
- o Works at a lower level than UCM
- o Can be an effective tool to show cost impacts of performance improvement initiatives on customer costs
- Processes analyzed don't have to be customer focused...
 need to be centered on cost drivers within customer focused outputs

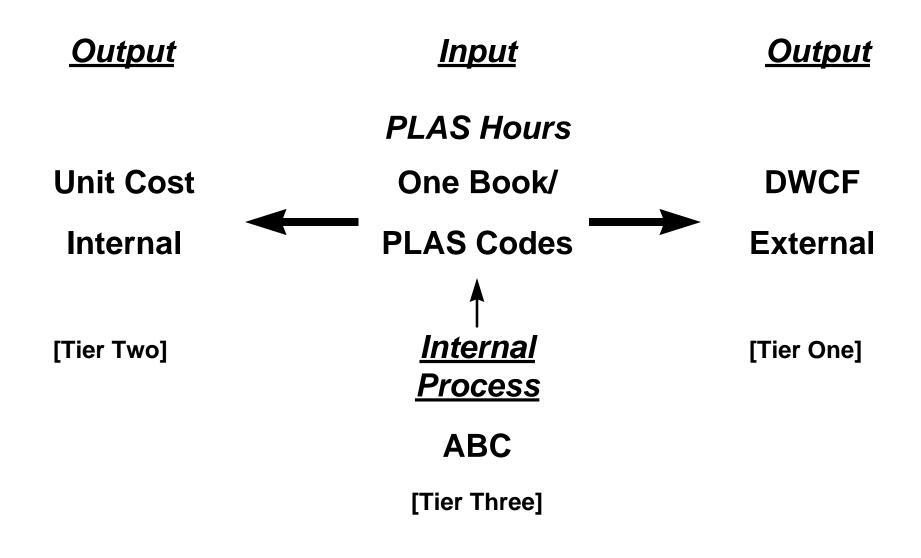
How Can We Structure Our Solution?

- o Tiering and phasing
- o Based on sound UCM and a few outputs to start... expand outputs on a phased schedule
- o If UCM outputs are roll-ups of PLAS type data, ABC can be used to manage costs within UCM
- Phasing includes expanding "output" base and selection of appropriate fund source
- o Phasing can also include identification of customers

How Can We Structure Our Solution?

- o <u>Tier one</u> External Funding Source O&M, DWCF, Direct Reimbursable, Combination, etc.
 - <u>Tier two</u>- Unit Cost Management Internal Management approach to cost management based on customer focused outputs
 - o <u>Tier three</u> ABC Internal process directed with the goal of decreasing total costs for key outputs

Unit Cost/DWCF Hourly Data Flow



SIX UNIT COST OPTIONS STUDIED

- #1 LARGE CORE BUCKET + SELECTED "C" GOAL BUCKETS
- #2 ELEVEN GROUPINGS BY SIMILAR PROCESSES
- #3 ONE BOOK LEVEL

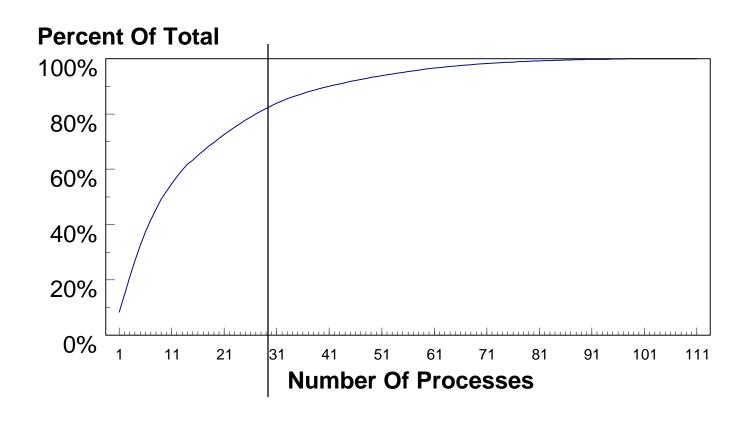
#4 - DIFFERENT KINDS OF CONTRACTS

- **#5 SIMILAR OUTPUT PRODUCTS**
- #6 GROUPING BY RIGHTS

Option 4 - Customer Focused Outputs Initial Cost Pools

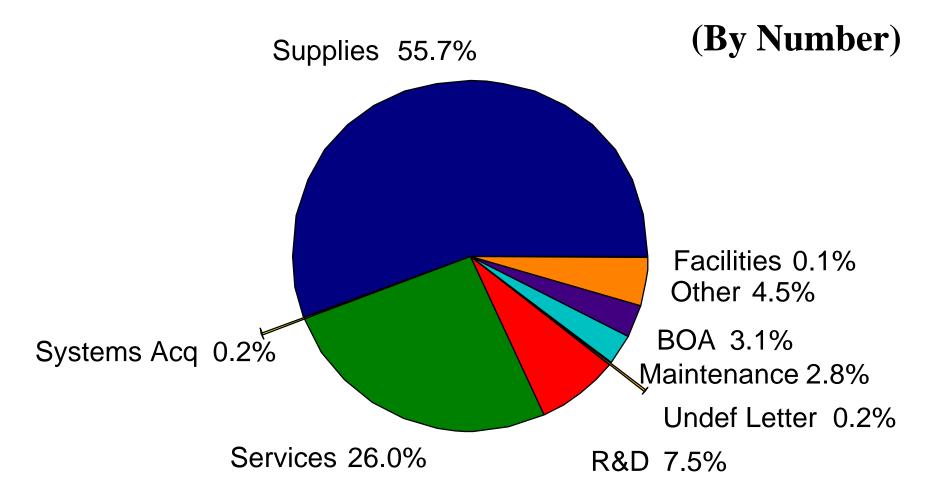
- o Basic CAS (by contract kind)
- o Pre Award Support
- o Mandatory Product Audits
- o Contractor System Reviews
- o Other CAS (e.g., CCAS)
- o General Management

PARETO ANALYSIS OF ONE BOOK PROCESSES



70% OF DIRECT EXPENDITURES ARE CAPTURED BY 19 PROCESSES, 80% BY 28 PROCESSES, 90% BY 40 PROCESSES, 95% BY 56 PROCESSES, AND 99% BY 72 PROCESSES.

TOTAL DCMC "KINDS OF CONTRACTS"



Note: DCMC administers 211036 supply contracts and 684 systems acquisition contracts by count.

Unit Cost Pre-Test

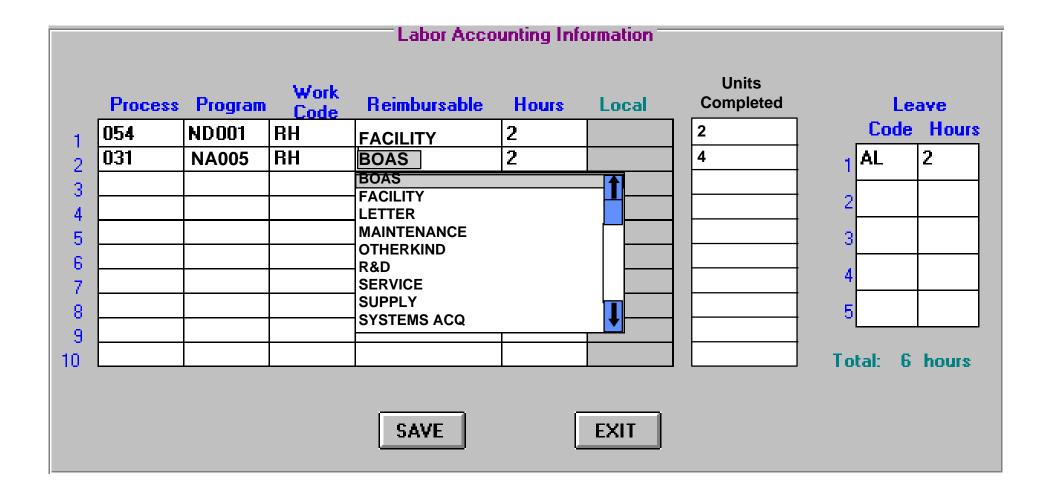
<u>Purpose</u>

- o Validate concept of Option 4
 - Identify PLAS processes by contract "kind"
 - Determine final list for FY 98 Test
- o Validate collection mechanism
 - PLAS reimbursable pulldown
 - Reports off-line
 - -- Counts from metrics
 - -- Hours from PLAS

Unit Cost Pre-Test

PLAS Reporting

...on front screen, in "Reimbursable" Column



Unit Cost Applications

- o Self-comparison
- o Benchmarking
- o Competition
- o Efficiency
- o Entrepreneurial approach
- o Resource decisions

Variance Analysis, Actual Reports

Volume Variance

Actual Standard Standard Volume
Units - Units (FCAST) x Unit Cost = Variance
140 - 230 x \$498.63 = (\$44,877)

Actual Standard
Units / Units (FCAST) = % Eff
140 / 230 = 60.9
(Core Contract Admin)

Cost Variance

Standard Actual Cost Cost - Cost = Variance \$114.685 - \$79.906 = \$34.779

Standard Actual
Cost / Cost = %Eff
\$114,685 / \$79,906 = 143.5
(01 Core Contract Admin)

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      Total Variance

      Earnings - Actual Cost = % Eff

      $69,808 - $79,906 = 87.4

      Earnings / Actual Cost = % Eff

      $69,808 / $79,906 = 87.4

      (Core Contract Admin)
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Major Unit Cost/DWCF Milestones

o Develop Prototype

May 1997

o Pilot, Pre-test

May - June 1997

oo East and West

oo 2 Area CAOs

oo 2 Resident CAOs

o DCMC-wide Test

Oct 1997 - Sept 1998

oo Analyze and adjust

oo Evaluate for DWCF

o Implement

Oct 1998